

IN 73:131271 CAPLUS  
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 TI Preparation of nucleotides and oligonucleotides by thermal reaction  
 IN Moravek, Josef; Skoda, Jan  
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 LA Czech  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CS 133464		19691015	CS	19651202
AB	<p> <b>Labeled</b> title compds. are obtained by thermal phosphorylation of nucleosides which are heated at 155-65.degree. with an alk. metal phosphate or nucleoside 2'(3')-phosphate in the ratio 1:5. The mixt. is chromatographed and the products isolated from the eluate. Treating <b>labeled</b> nucleosides (<sup>14</sup>C, <sup>3</sup>H, <sup>35</sup>S) with nonradioactive phosphates gives compds. contg. soft .beta.-emitters in the nucleoside moiety, reaction of unlabeled nucleosides with <sup>32</sup>P-phosphates gives compds. contg. a hard .beta.-emitter in the phosphate residue. The following nucleosides were phosphorylated: cytidine, uridine, pseudouridine, orotidine, deoxycytidine, deoxyuridine, thymidine; (with a change in the base) 6-azauridine, 6-azacytidine; (with a substitution on the base) 5-hydroxyuridine; (with a change in the sugar) N-xylosyluracil; (antibiotics) tubercidine.         </p>				
IT	29838-80-0	RL: RCT (Reactant) (reaction of, with <b>labeled</b> sodium phosphate)			
RN	29838-80-0	CAPLUS			
CN	as-Triazine-5,6- <sup>14</sup> C2-3,5(2H,4H)-dione, 2-.beta.-D-ribofuranosyl- (8CI)				

(CA INDEX NAME)

Absolute stereochemistry.

